

**IN THE ABSTRACT:**

*The following paragraph will replace all prior versions of itself in the abstract of the application.*

A method of producing a glass-particle-deposited body that has a small diameter variation and the like resulting from alteration of the deposition condition is offered. When the glass-particle-deposited body is produced, a burner row constituted by placing a plurality of burners is moved relative to a starting member, and glass particles ejected from the burners are deposited on the starting member. In the method of producing a glass-particle-deposited body, alteration of the deposition condition is performed during the course of the deposition of the glass particles on the starting member. The method of producing a glass-particle-deposited body has a feature in that the alteration of the deposition condition is performed at least twice and that the burner positions along the length of the starting member at which the deposition condition is altered are placed at intervals shorter than the intervals between burners.